

When recording operation is stopped due to, for example, unexpected interruption of electric power supply in the course of the recording operation on a real time basis, a technique of repairing a moving picture and sound data recorded on a recording medium until the recording is stopped, to thereby restore management information data which enables random access and special reproduction is provided. A video/audio/management information multiplexing means is so implemented as to generate data required for generating management information data for allowing random access to the recording medium and effectuating special reproduction of the recording medium, for thereby multiplexing the data required for generating the management information data, encoded video data outputted from a video encoding means and encoded audio data outputted from an audio encoding means.